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2826 RTG - XMTR. EXP. MODEL 3-6-52

Ep = 350 Esg = 185 PA. Ep 270 Esg 145 - [6BC5] - OSC.

f	Itotal	Ip	Eg	Ea	Po	Eff	Pi
3.0I	56	46	29	78	10.1	62.75	16.1
6.0I	57	47	21	79	10.4	63.2	16.45
6.0II	56	46	14	78	10.1	62.75	16.1
7.0I	61	50	30+	86	12.3	70.5	17.5
7.0I	62	51	26	66	7.26	40.6	17.85
11.0II	59	48	19	72	8.64	51.4	16.8
11.0II	59	48	12	70	8.16	48.7	16.8
16.0II	57	47	7.5	69	7.95	48.4	16.45
9.0II	59	48	20	70	8.16	48.6	16.8
9.0III	60	49	7.0	66	7.26	42.4	17.15
16.5III	60	49	-2	63	6.61	38.6	17.15
9.0I	59	48	25	70	8.16	48.6	16.8

60 BANDS

OSC - Isg = -2.2 MA. . . Sg. Diss = .322 W RATED .5W

[redacted] Diss = .318 W RATED 2.0W

CONCLUSION: SUBSTITUTION OF 6BC5 TUBE FOR 6AG5 BRINGS OSC OUTPUT TO HIGHER VALUE.

STAT

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2E24 PA RT 6 KATR - TAPPED P.A. TANK 3-6-57

E_p = 350 E_{sg} = 185 6AG5 E_{p}^{osc} = 280 E_{sg} = 160

	f	I_{total}	I_p	E_g	E_a	P_o	Eff.	P_i
20	3.0 I	56	45	-16	77	9.9	56.6	17.5
	6.0 I	58	48	-10.5	78	10.1	60	16.8
	6.0 II	57	46	-3	73	8.9	55.2	16.1
	7.0 I	59	48	-26	84	10.75	64	16.8
HB	7.0 I	62	51	-13.5	65	7.05	39.5	17.85
	11.0 II	61	50	-7.0	70	8.2	47	17.5
HB	11.0 II	62	51	-3	66.5	7.38	41.3	17.85
	16.0 II	62	51	-2	64	6.82	38.3	17.85
	9.0 II	60	49	-8.5	68	7.7	45	17.15
	9.0 III	64	53	—	44	3.23	17.4	18.55
	16.5 III	65	54	—	47	3.68	19.5	18.9

I_{SG} (OSC) = 1.4 MA, OSC SCREEN DISS = .224 W (RATED MAX .5 W)

~~E_p (OSC) = [illegible] AS P[illegible] W~~ ([illegible])

Q AS READ ON "Q" METER. COIL INSTALLED IN UNIT.

		PRIOR TO INSTALLATION
Q @ 3.0 mc = 116	LOW BAND	185
Q @ 7.0 mc = 64	LOW BAND	200
Q @ 7.0 mc = 96	HIGH BAND	120
Q @ 16.5 mc = 78	HIGH BAND	100

ABOVE TABULATION MADE WITH CASE REMOVED

~~OSC P.A. RES. 2.2K~~

OSC SCREEN RES = 181C

~~P.A. SCREEN RES. 2.5K~~

STAT

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RT-6 - XMTR - TAPPED PA TANK 3-5-52

f	Itotal	Ip	Eg	Ea	Po	Eff.	
E=375 3.0 I	65	55	-10	84	11.75	57%	LB
6.0 I	64	54	-6.5	83	11.50	57%	
6.0 II	65.5	55.5	-1.0	76	9.64	46.4%	
7.0 I	64	53	-17.5	90	13.5	68.7%	
E=350 3.0 I	56	47	-9.5	76	9.64	58.6%	LB
6.0 I	57	48	-6.0	76	9.64	57.4%	
6.0 II	60	50	-1.0	70	8.16	46.6%	
7.0 I	59	49	-17	72	8.65	50.4%	
7.0 I	65	53	-8.5	64	6.82	36.8%	MB
11.0 II	62	52	-3.0	67	7.50	41.2%	MB
11.0 II	62	53	-1.0	62	6.4	34.5%	HB
16.0 II	62	53	—	55	5.05	27.2%	HB
9.0 II	61	52	-3.5	65	7.05	38.75%	MB
9.0 III	65	55	—	39	2.54	13.7%	HB
16.5 III	65	55.5	—	38	2.41	12.4%	HB
7.0 I	58	49	8.5	79	10.4	60.6%	LB PA MB OSC

PA

$E_p = 350$

$E_{SG} = 185$

OSC

$E_B = 230$

$E_{SG} = 105$

VOLTAGES FOR ABOVE READINGS

STAT

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